

COASTAL RECREATION PLAN SUPPLEMENT  
TO THE  
MARQUETTE COUNTY RECREATION PLAN

JULY 1986

This document was prepared by the Marquette County Planning Commission in accordance with the provisions of the Coastal Zone Management Act (PL 92-553 and PL 94-370) administered by the Office of Ocean and Coastal Resource Management, National Oceanic and Atmospheric Administration (NOAA). Assistance was also received through the Michigan Coastal Management Program administered by the Michigan Department of Natural Resources, Division of Land Resource Programs.

Financial assistance for the project was received from the National Oceanic & Atmospheric Administration with matching funds provided by the Marquette County Board of Commissioners.

## I INTRODUCTION

### A. Scope

This section of the Recreation Plan examines Marquette County's coastal recreational resources located along the County's 78.5 miles of Lake Superior shoreline. Of the total shoreline, 13.85 miles (18%) are in public ownership. Exclude the Huron Islands and this figure drops to 8.75 miles (11%). This ratio translates into about one-half a foot per County resident. In contrast it is interesting to note that about half (49%) of all land in the County is publically owned or is otherwise open for public recreation.

Existing public coastal lands are presently used for a variety of recreational uses. Some coastal resources such as river mouths, or prime fish and wildlife habitat lie primarily in private or corporate hands. Of the 12 major river mouths which empty into Lake Superior only three provide for public access. Of the three, one can only be reached by leaving the County and two are associated with incompatible adjoining land uses, i.e., power plant and sewage treatment plant.

Increased population growth and desirability of shorelines for private use will reduce the availability of lands for public use. Environmental issues such as eroding Lake Superior shoreline in conjunction with high lake levels will continue to threaten all uses of shorelands.

### B. Purpose

This document was prepared in order to revise and update the 1979 Marquette County Coastal Recreation Plan and incorporate it into the 1986 County Recreation Plan. As such, the consolidation of these recreational planning documents will provide a more coordinated effort by the County in providing for future coastal recreational opportunity for County residents. Completion of this document will also maintain County eligibility in the Coastal Zone Management program. This program has historically provided the County with considerable financial assistance for reconstruction of facilities at the Sugar Loaf Mountain Natural Area.

### C. Direction

The County Recreation Plan calls for an update of the Coastal Recreation Plan as a 1986 project (page 72, Implementation). The Plan also states as an objective that shorelands should be acquired along the Lake Superior shoreline for public use (page 69). Specific objectives related to County-owned recreational facilities within the Coastal Zone can be found on pages 69 and 70 of the Plan.

The 1986 County Recreation survey included several questions

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related to the public's desires for shore or water based recreation. When asked their preference, respondents indicated that the following characteristics were important in relation to the provision of recreational facilities:

- 1) More small nearby parks & recreation facilities.
- 2) Better maintenance or expansion of existing parks & recreation facilities vs. new construction.
- 3) Water access.

## II INVENTORY OF COASTAL AREAS OF PARTICULAR CONCERN

### A. Overview

This section of the Plan contains an inventory of shoreland areas of particular concern in Marquette County that are or have the potential to become recreational areas. The inventory of the particular areas outline the location, ownership, and size, as well as describing what the area offers now, what the development limitations are, management concerns are and recommendations. Maps of the sites are provided in Figure 1.

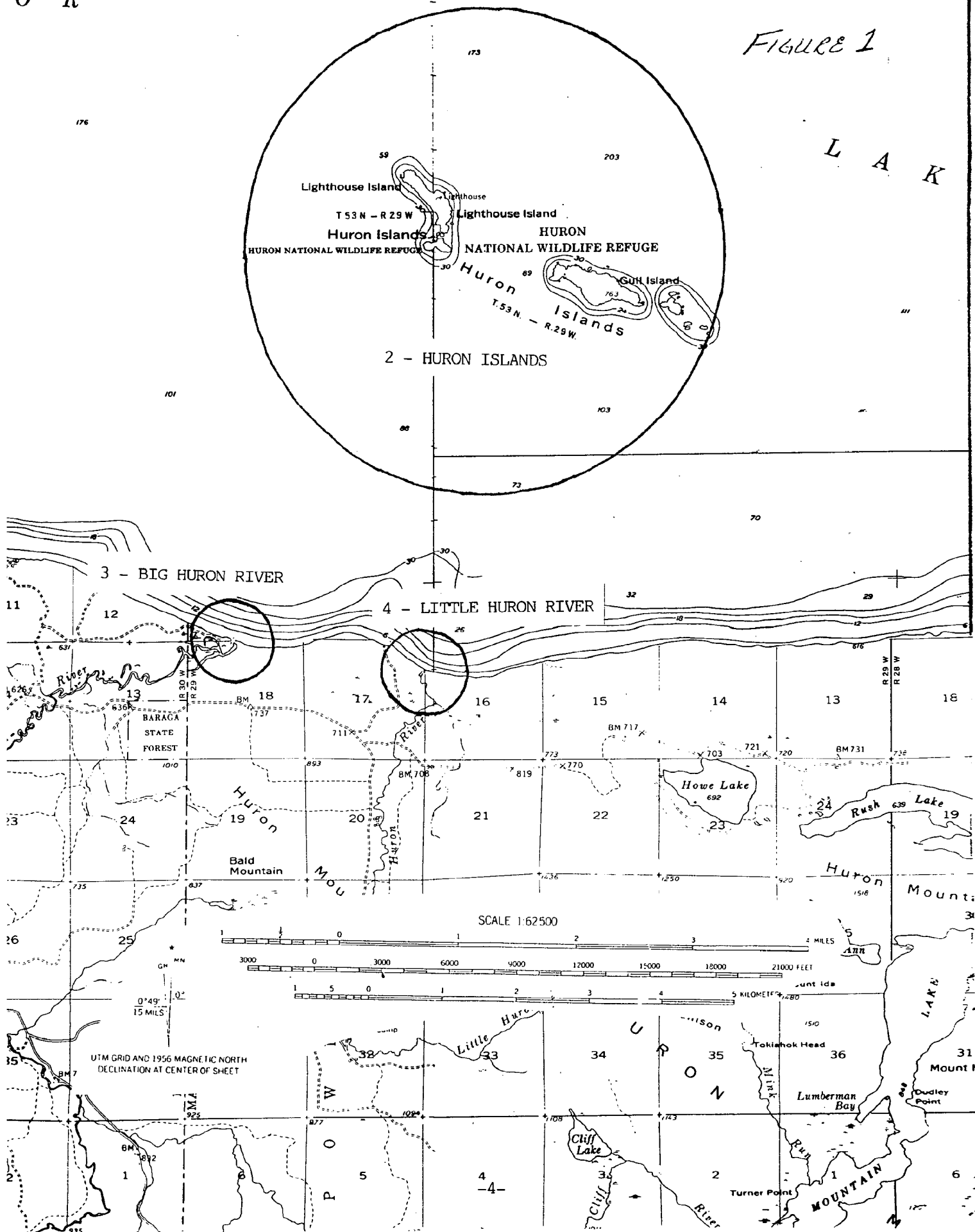
### B. Sources of Data

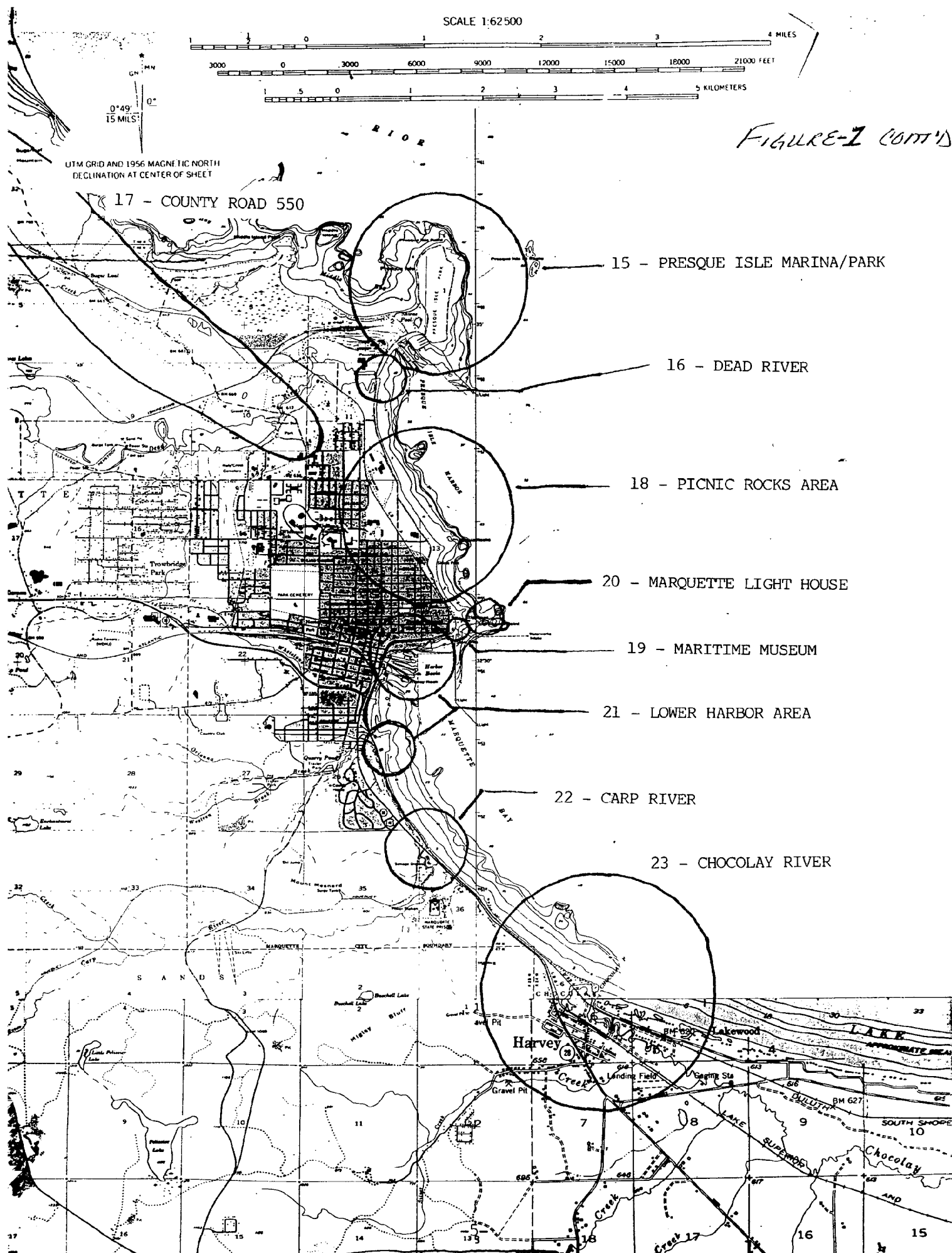
The background information regarding the areas of particular concern was obtained from many sources, beginning with the 1979 Marquette County Coastal Recreation Plan. A similar format for recording the data was used. The number of recreational areas was expanded from 14 to 25. The Regional Shoreland Areas of Particular Concern Inventory by CUPPAD provided some additional information.

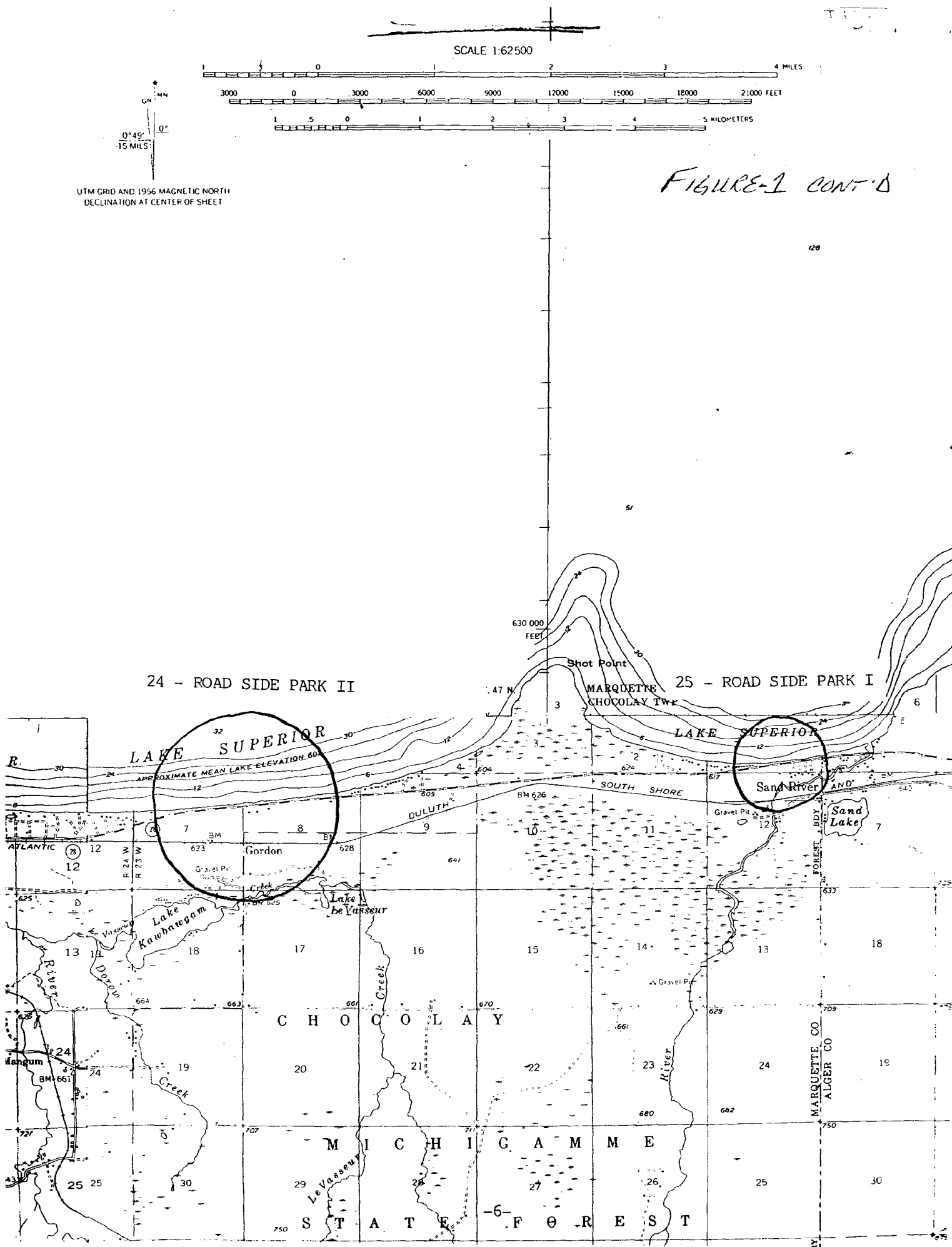
The City of Marquette Recreation Plan inventoried the coastline, however it did not state goals for the area except that of a bike path which is to be completed in phases. The City Park and Recreation Department was not able to provide any additional information. The City of Marquette is designing a Master Plan for the Lower Harbor and is holding special Planning Commission meetings on its future. Pat Gruber, Assistant Planning Director, was very helpful in providing this information.

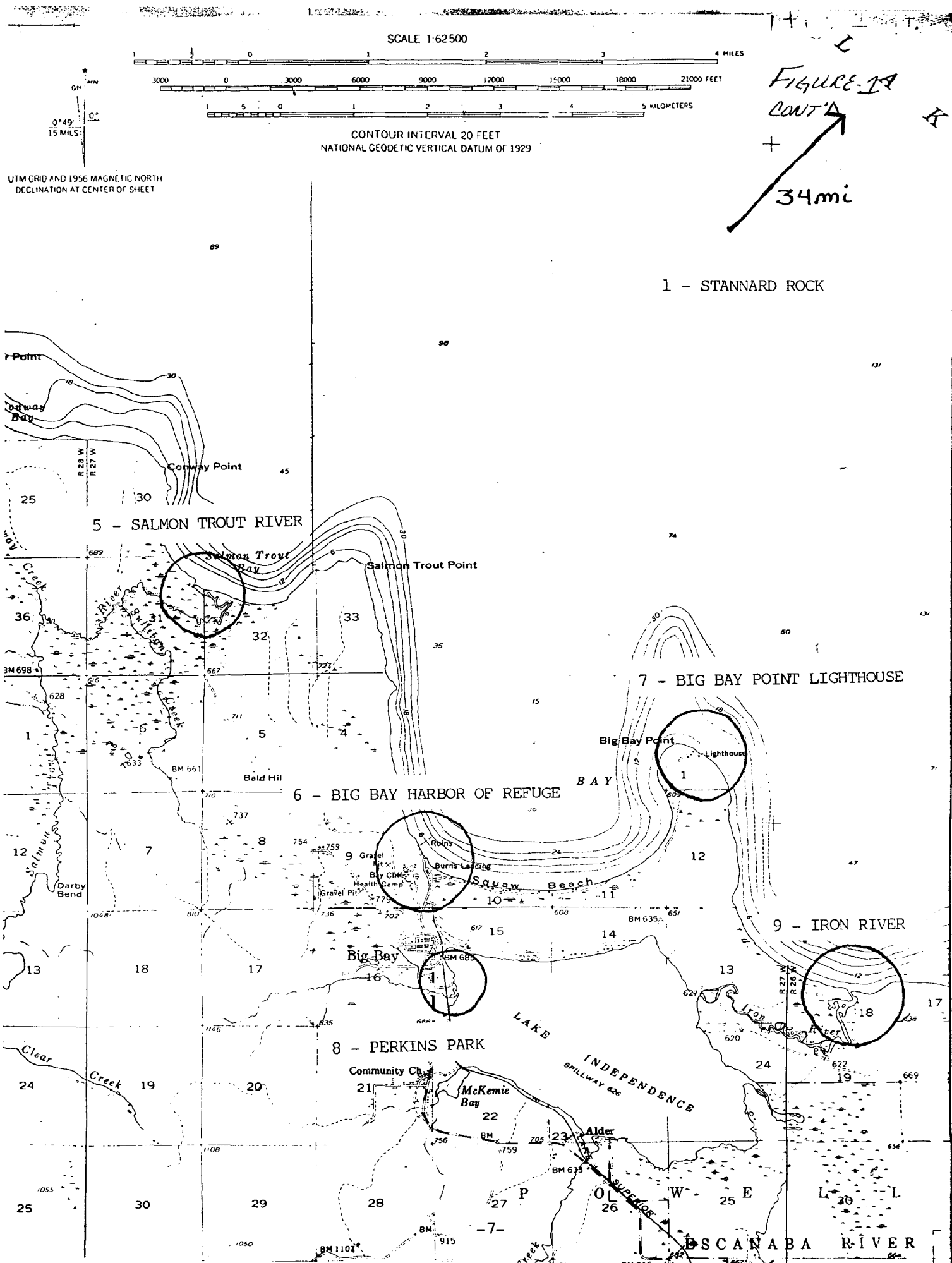
The Little Presque Isle Plan clearly stated the present uses and future goals as did the Plan for Sugar Loaf Mountain Natural Area. Both described the importance of cooperative management between the two areas. The Chocolay Recreation Plan along with Mark Maki (Township Assessor) were instrumental in determining their future plans. Pat Farrell of the Governor's Advisory Board on Coastal Management had many important coastal recreation suggestions. The Lake Superior Dive Club and Mrs. Tomasi provided the location and descriptions of popular dive sites. The Maritime Museum, Marquette Historical Society, and the U.S. Coastguard in Marquette all helped with the historical aspects of this Plan.

FIGURE 1

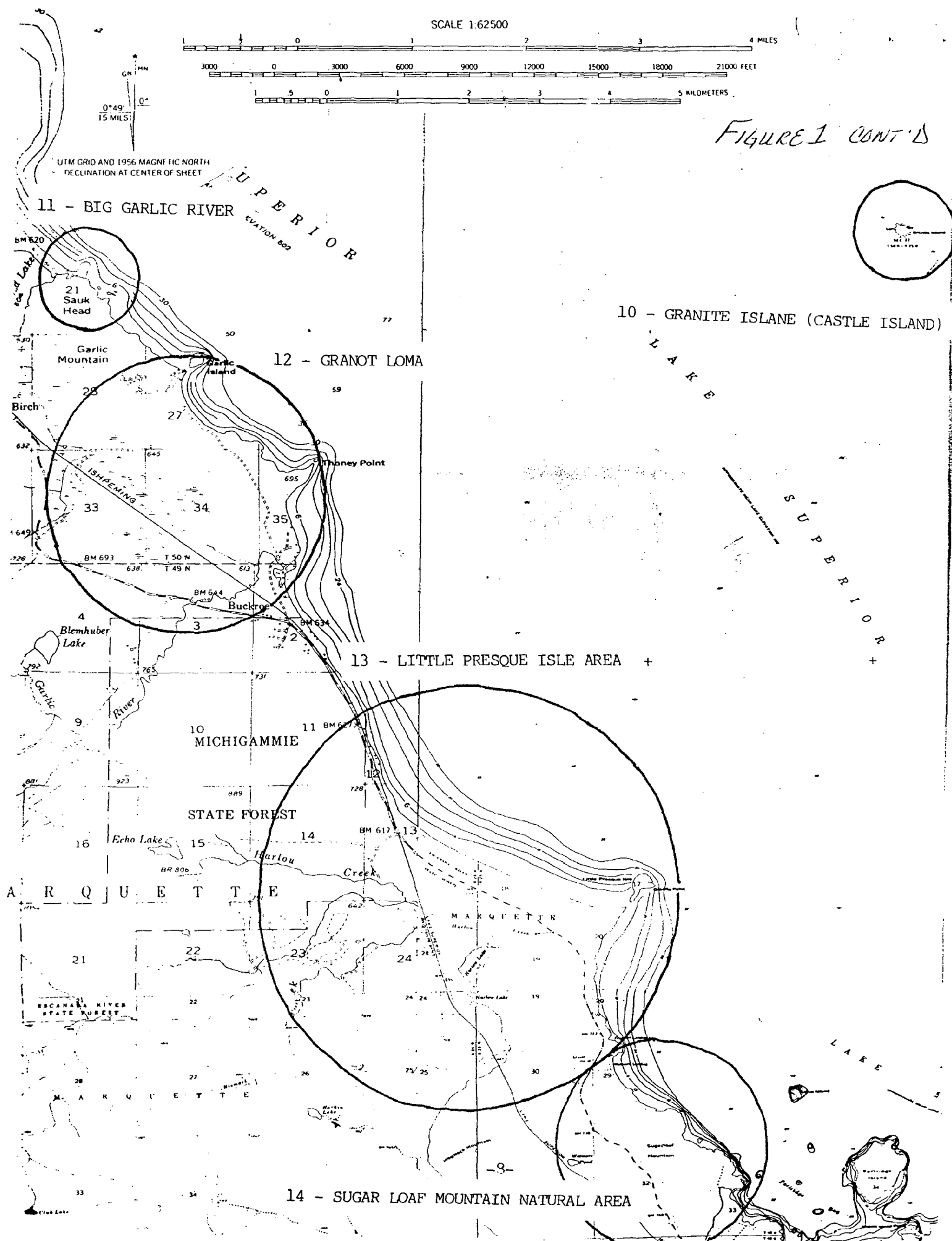












## C. The Inventory

### 1 - STANNARD ROCK

Location - 34 Miles northeast of Big Bay

Ownership - Federal

Size - One mile radius of Stannard Rock

Shore Type - Rock bluff/man made

Present Use Trends - Coastguard navigational aid (old light-house). Surrounding reef provides prime lake trout habitat and as a result is an important fishery for sport & commercial fisherman.

Development Limitations -

- 1) Lighthouse is on the National Register of Historic Places
- 2) Physical characteristics of the site

Management Concerns -

- 1) Continued need for navigational aid
- 2) Competing uses for the fishery

Recommendations - Continue and maintain present uses.

### 2 - HURON ISLANDS

Location - Section 27, 29, 34 and 35, T53N-R29W

Ownership - Federal

Size - 5.10 miles

Shore Type - Rock bluff Campeau Creek gneiss

Present Use - National wildlife refuge, scuba diving, light-house is listed on the National & State Register of Historic Places

Development Limitations -

- 1) Slightly vegetated and
- 2) Fairly rugged topography

Management Concerns -

- 1) Continued management as a wildlife refuge concerns
- 2) Maintenance of historic facilities

Recommendations - Continue and maintain in present use.

### 3 - BIG HURON RIVER

Location - Section 7, T53N-R29W and Section 18, T52N-R29W

Ownership - State of Michigan

Size - 184 acres

Shore Type - Low dune/river mouth

Present Use Trends - State forest campground

Development Limitations - Erosion and flooding

Management Concerns - Difficult access by County residents

Recommendations - Continue existing use

### 4 - LITTLE HURON RIVER

Location - Section 17, T52N-R29W

Ownership - Private

Size - 40 acres

Shore Type - Low dune/river mouth

Present Use Trend - Vacant privately-owned land.

Development Limitations - Erosion

Management Concerns - Investigate potential for public ownership

Recommendations - Establish area for public recreation (degree of development requires further study).

5 - SALMON TROUT RIVER

Location - Sections 31 and 32, T52N-R27W

Ownership - Private

Size - 40 acres

Shore Type - Low dune/river mouth

Present Use - Privately-owned vacant land

Development Limitations -

- 1) River provides important fishery for "coaster" brook trout
- 2) Erosion

Management Concerns -

- 1) Impacts of future use on the fishery
- 2) Access considerations

Recommendations - Secure area as a public natural area

## 6 - BIG BAY HARBOR OF REFUGE

Location - Section 10, T51N-R27W

Ownership - County of Marquette

Size - 15 acres

Shore Type - Low dune

Present Use - The Refuge is the only boating access between Marquette and Baraga. It provides boat launch, picnicking, seasonal and transient mooring, and access to productive fishing and scuba diving.

Development Limitations - Depth

Management Concerns -

- 1) Periodic dredging
- 2) Balancing of transient, seasonal and commercial boaters needs.
- 3) Explore the feasibility of turning over the operation to the state as it serves a more non-local transient population.

Recommendations -

- 1) Continued maintenance of marina and launching facilities.
- 2) Maintain the harbor as a harbor of Refuge catering to transient boaters needs first and seasonal mooring second.
- 3) Discourage private uses of the Harbor which would adversely affect its operation.

7 - BIG BAY POINT LIGHTHOUSE

Location - Section 1, T51N-R27W

Ownership - Private

Size - 53 acres

Shore Type - Bluff 10' and higher, sandstone/clay

Present Use - U.S. Coastguard maintains a light on a small parcel within the privately owned property. Structures are presently vacant.

Development Limitations - Erosion

Management Concerns - The possibility of public ownership of this parcel should be explored because of its historical/recreational value.

Recommendations - Establish public historical/recreational site.

## 8 - PERKINS PARK

Location - Section 15, T51N-R27W

Ownership - County of Marquette

Size - 62 acres

Shore Type - Low-high sand bluff

Present Use - Camping, picnicking, boat launching, swimming and beach facilities.

Development Limitations -

- 1) Erosion hazards

Management Concerns -

- 1) Increase attendance consistent with Park capacity.
- 2) Implement the soil erosion plan developed by SCS.
- 3) Upgrade sewer and water systems in accordance with state law.
- 4) Institute a user fee concept which more closely matches revenues with expenditures.
- 5) Utilize a County employee form of managing the Park/harbor operation as it is in the best interest of the County.
- 6) Acquire all Road Commission holdings in conjunction with the Park.
- 7) The development of a "Master Plan" for the Park is important for goals and guidance.

Recommendations -

- 1) Continue and maintain present use.
- 2) Explore feasibility of turning the operation over to the state.

9 - IRON RIVER

Location - Section 18, T51N-R26W

Ownership - Private

Size - 480 acres

Shore Type - Low bluff less than 30 feet

Present Use Trends - Low density residential undeveloped,  
private recreation

Development Limitations -

- 1) The immediate river mouth is poorly drained swamp with low natural fertility.
- 2) Surrounding areas are deep with sands with weak profile development.
- 3) This area is a special wildlife habitat area.
- 4) Erosion/flooding

Management Concerns -

- 1) Water quality monitoring
- 2) Protecting the special wildlife habitat

Recommendations - Utilize area for recreation (developed or undeveloped use requires further study).

10 - GRANITE ISLAND (CASTLE ISLAND)

Location - Section 22, T50N-R25W

Ownership - Federal

Size - Less than one acre

Shore Type - Rock bluff 0-30 feet

Present Use Trends - Lighthouse and scuba diving

Development Limitations - Rock bluff

Management Needs -

- 1) Nomination of the site to the State or National Historic Register.
- 2) Maintenance of historic values.

Recommendations - Continue lighthouse operation



## 11 - BIG GARLIC RIVER

Location - Section 21, T50N-R26W

Ownership - Private

Size - 80 acres

Shore Type - Low bluff, less than 30' high

Present Use - Seasonal residential and undeveloped

Development Limitations -

- 1) Sandy soils on the .66 mile beach area.
- 2) rock outcrops and varied and mountain relief at the southern and river mouth areas.

Management Concerns -

- 1) Water quality monitoring, increased development could possibly cause water quality problems in this area.
- 2) Erosion

Recommendations - The Big Garlic provides excellent fishing opportunities because of the spring runs of steelhead and rainbow trout. Public ownership of such rivers is lacking in the County. Public ownership is recommended.

## 12 - GRANOT LOMA

Location - Section 2, T49N-R26W

Ownership - Private

Size - 5,180 acres total

Shore Type - Low bluff, less than 30'

Present Use Trends -

- 1) Undeveloped
- 2) Low density residential
- 3) Public access at Co. Rd. 550 approximately one mile from the mouth anadromous.

Development Limitations -

- 1) Erosion
- 2) Competing uses

Management Concerns -

- 1) Water quality monitoring
- 2) Erosion

Recommendations -

- 1) Public ownership

### 13 - LITTLE PRESQUE ISLE AREA

Location - Section 20, T49N-R25W

Ownership - State

Size - Island, 8.6 acres; river mouth, coastal lake, 2,800 acres, mainland.

Shore Type - Low sandy beach, low bluff sandstone 30' and less.

Present Use - The Little Presque Isle area is accessible via Co. Rd. 550. Hiking, unmanaged camping, picnicking, beach use, fishing, swimming, scuba diving. Little Presque Island is designated an Island area of particular concern.

Development Limitations -

- 1) Wildlife migratory & feeding corridors, winter deer yard.
- 2) Erosion

Management Concerns -

- 1) Litter and debris removal
- 2) Toilet facilities
- 3) Continued maintenance
- 4) Coordinate future development at Sugar Loaf Mountain with the state
- 5) Continue to promote take-over of Sugar Loaf Mountain Natural Area by the state

Recommendations -

- 1) A bike trail should be constructed from Presque Isle to Big Bay. This will create greater accessibility to the Little Presque Isle. Potential for use of the old Marquette & Huron Mountain railroad should be examined for this purpose.
- 2) Managed camping

#### 14 - SUGAR LOAF MOUNTAIN NATURAL AREA

Location - Section 32, T49N-R25W

Ownership - County of Marquette

Size - 120 acres

Shore Type - High bluff 30' or higher, mostly Compeau Creek gneiss and Granite Rock Knobs.

Present Use - Hiking, picnicking, scenic view and snowshoeing.

Development Limitations - Topography is steep with slopes ranging from seven to more than 25%.

Management Concerns -

1) Encourage cooperation with the DNR Forest Management Division regarding mutual planning concerns for Little Presque Isle and Sugar Loaf Mountain Natural Area.

2) Continue to implement and revise the Sugar Loaf Mountain Natural Area Master Plan.

Recommendations -

1) Continue present use trends and increase the number of trails. At present a "managed" trail provides access to the summit via the south to southeast side of the mountain.

2) A second trail should be constructed on the north side and cooperatively linked with the Little Presque Isle area. This will mitigate vegetation degradation by condensing many unmanaged trails into one concentrated trail.

3) A bike trail should be constructed along Co. Rd. 550 connecting Presque Isle and Big Bay in order to create greater accessibility to the site.

4) Continue to explore turnover of the site to the State.

## 15 - PRESQUE ISLE MARINA/PARK

Location - Sections 1 & 2, T48N-R25W

Ownership - City of Marquette

Size - 314 acres

Shore Type - high bluff 30', sandy beaches

Present Use Trend - Two picnic areas, zoo, hiking trails, open space, swimming, 95 boat slips, two launching ramps, concession facilities, toilet facilities, playground, tennis, shuffleboard, horseshoe, band shell, gazebo, breakwall (fishing) art on the rocks, snowshoe, scuba diving.

Development Limitations - Size of facility

Management Concerns - Not obtainable from City Parks and Recreation Department.

Recommendations -

1) Current needs of the marina exceed present capacity, hence, additions to the facility should be addressed.

2) Continue present uses and maintenance.

## 16 - DEAD RIVER

Location - Section 11, T48N-R25W

Ownership - Corporate & City of Marquette

Size - 5-10 acres

Shore Type - River mouth, beach 1-20 feet

Present Use - Harbor view park has picnicking, swimming, grassy open space, beach facilities, fishing and temporary boat launching. The power plant industrially warms the water from the Dead River which makes for excellent fishing and swimming opportunities. It is accessible by Lake Shore Blvd. and the bike path.

Development Limitations - Erosion

Management Concerns -

1) Hazardous waste disposal sites

2) Erosion mitigation

Recommendations -

1) Public Recreation

2) A bike path should join at the Lake Shore Blvd. bike path at Hawley Street and run to the Dead River Tourist Park area on Co. Rd. 550. -19-

17 - COUNTY ROAD 550

Location - Marquette to Big Bay

Ownership - Public (Mqt. County Road Commission)/Private

Size - 14 miles

Shore Type - N/A

Present Use Trends - County Road 550 is an access to various recreational places.

Development Limitations - Physical characteristics - slope topography

Management Concerns - Existing Co. Rd. 550 has major alignment/safety problems. As this road serves over half of the County's shoreline it is in need of major upgrade prior to expansion of facilities which will increase traffic related problems.

Recommendations - Construction of a bike trail along the road to make the recreational placed along this road more accessible to the public.

18 - PICNIC ROCKS AREA

Location - T48N-R25W, Sections 13 & 14

Ownership - Federal

Size - 10 acres

Shore Type - Beach width 0-10 feet, bluff 1-3 feet, erosion mitigated by rockfill and in some areas vegetative cover.

Present Use Trends - Picnicking, swimming, scuba diving on picnic rocks and the wreck of the Luety, beach facilities, grassy open space, accessible by the bike path.

Development Limitations - Erosion

Management Concerns -

- 1) To maintain & initiate soil stabilization.
- 2) Beach upgrade.

Recommendations -

- 1) Public recreation
- 2) Handicapped recreation

## 19 - MARITIME MUSEUM

Location - Section 24, T48N-R25W

Ownership - Private

Size - 2-5 acres

Shore Type - Low bluff

Present Use - The building is a historical structure on the state register. The surrounding grounds have historical artifacts displayed. The property abuts the breakwater used by the public for fishing. This is the beginning of the bike path to Presque Isle.

Development Limitations - Parcel size

Management Concerns -

- 1) Promotion of the Museum.
- 2) A greater demand on maintenance.

Recommendations -

- 1) Continue present recreational historical uses.
- 2) Encourage the development of a bike path from the Maritime Museum to the Carp River.

## 20 - MARQUETTE LIGHT HOUSE

Location - Section 24, T48N-R25W

Ownership - Federal

Size - 2-5 acres

Shore Type - Rock bluff 10-30 feet - mona schist, erosion mitigated by rockfill.

Present Use - U.S. Coastguard. The site is accessible by the bike path.

Development Limitations - Rock bluff

Management Concerns - Better promotion of the light house.

Recommendations -

- 1) Light house
- 2) Low intensity public recreation

## 21 - LOWER HARBOR AREA

Location - Section 23, T48N-R25W

Ownership - City of Marquette, private and corporate

Size - 25 acres

Shore Type - Shoreline has been altered by breakwaters. The grassy open area sits on an old coal storage site.

Present Use - The lower harbor is the beginning of the Lake Shore Blvd. upon which many travel to enjoy Lake Superior. South Beach Park provides swimming and beach facilities. Father Marquette Park offers greenspace. The Lower Harbor Park is open space used for various gatherings (festivals, concerts, picnics). At the east end of the park, there is a boat launching facility operated by Marquette Dock Association with several slips. Fishing occurs all along the shoreline extending along the breakwater. The lower harbor is also frequented by scuba divers diving on the several schooner wrecks, the old docks (pilings), Ripley's Rock and along the breakwater and ore dock.

### Development Limitations -

- 1) Ecologically, Whetstone Creek may have an influence on the water quality in the lower harbor resulting from the runoff it handles from hard surfaces in the urbanized area.
- 2) It is zoned Deferred Development because of the desire to control the future land usage which may possibly be detrimental to establishing public access.
- 3) Erosion

### Management Concerns -

- 1) Handicapped provisions
- 2) Maintenance of recent lower harbor improvements.
- 3) A continuation of improvements such as restroom facilities, bike path and landscaping to fulfill the plan objectives adopted by the City.

### Recommendations -

- 1) The shore between Carp River and the light house should be connected with a bike path. This includes the lower harbor area.
- 2) Handicapped recreational uses.

## 22 - CARP RIVER

Location - Section 36, T48N-R25W

Ownership - State of Michigan Highway Dept., Corporate

Size - 2-5 acres

Shore Type - Beach width 0 feet, beach bluff height 5-10 feet,  
river mouth.

Present Use - Fishing. Marquette waste water discharge is  
located a few hundred feet upstream from the mouth.

Development Limitations -

- 1) Water Quality
- 2) Erosion/slope conditions
- 3) Adjoining land use (i.e. railroad, sewage treatment  
plant)
- 4) Location of roadway

Management Concerns - Water Quality monitoring should be  
increased.

Recommendations - The Carp River is recreationally important  
from a fishing standpoint. However, the fish should not  
be eaten according to the 1986 Michigan Fishing Guide  
because of toxins within fish. A bicycle path between  
the Carp and the light house should be considered.



## 23 - CHOCOLAY RIVER

Location - Sections 6 & 8, T47N-R24W

Ownership - Chocoday Township/Private

Size -

Shore Type - River mouth. Deer park sand with 0-8% slope.

Present Use -

1) Fishing, boat launch, with substantial residential use. The Chocoday River is a river mouth of particular concern.

2) Picnicking.

Development Limitations - Erosion/blowing sand. The river mouth has a tendency to fill with sediment which causes flooding and boat maneuvering problems.

Management Concerns -

1) Efforts should continue to stabilize the mouth and channel for access to Lake Superior.

2) Wind erosion controls.

Recommendations -

1) Boat slips at the Chocoday Marina and MDNR access.

2) Small tot lot type playground near the picnic area at Chocoday marina.

3) Encourage development of bike path through this area connecting at the Carp River.

4) Public acquisition or private land at the river mouth and within the 100 year flood zone.

24 - ROAD SIDE PARK II

Location - Section 1, T47N-R23W

Ownership - State of Michigan

Size - 32 acres

Shore Type - Low sand dune, less than 30' high, less than 25% vegetative cover, beach width, 10-20 feet, bluff height, 10-15 feet.

Present Use - Picnicking and general beach use.

Development Limitations - Residential, commercial, industrial and resource production development all present severe limitations. This is a high risk erosion area of particular concern.

Management Concerns -

- 1) Continued maintenance
- 2) Erosion controls which do not affect beach and dune aesthetics
- 3) M-28 will be threatened by erosion.

Recommendations - Continue present recreational uses and discourage further development. Encourage the development of a bike path from road side Park A to Big Bay and eventually work with Alger County to join paths at the line to Pictured Rocks.

25 - ROAD SIDE PARK I

Location - Sections 7 and 8, T47N-R23W

Ownership - State of Michigan

Size - 18 acres

Shore Type - Low sand dune, less than 30' high, less than 25% vegetative cover, beach width 10-20 feet, beach bluff height 10-15 feet.

Present Use - Picnicking and general beach use.

Development Limitations - Residential, commercial, industrial and resource production development all present severe limitations. This is a high risk erosion area of particular concern.

Management Concerns -

- 1) Continued maintenance.
- 2) Erosion controls which do not affect beach and dune aesthetics
- 3) M-28 will be threatened by erosion.

Recommendations - Continue present recreational uses and discourage further development. Encourage the development of a bike path from road side Park A to Big Bay and eventually work with Alger County to join paths at the line to Pictured Rocks.

### III PRIORITIZATION OF COASTAL AREAS OF PARTICULAR CONCERN

This section of the Plan presents a framework for ranking the importance of the sites identified in Section II - Inventory of Coastal Areas of Particular Concern. It is suggested that this ranking be used as a basis for County policy for addressing future coastal recreational needs. The results of the ranking provide a basis for the Coastal Resources Action Plan in Section IV, Implementation.

#### A. Methodology

The following criteria were developed in order to objectively prioritize the coastal sites in accordance with their individual needs as well as those listed in the County Recreation Plan.

<u>Criteria</u>	<u>Points</u>
1) - Development of the site would provide new types of recreational opportunity to the general public.	20
- Development at the site would continue an existing recreational opportunity for the general public.	30
2) - Site is recommended for recreational development in a non-County recreation plan, capital improvement schedule or action plan.	10
3) - Development at the site has potential for multiple recreational facilities.	20
4) - Distance from urban center	
-- Within Urban Center	20
-- 0 - 5 miles	10
-- greater than 5 miles	5
5) The site has capability for multi-seasonal use	
-- Four seasons	10
-- Three seasons	6
-- Two seasons	3
-- One season	1
6) The site is documented as an important historical resource.	10
7) The site has documented flood or erosion hazards which do not reduce the utility of the site for at least low intensity recreation.	20

<u>Criteria (cont'd)</u>	<u>Points</u>
8) The site has better than average potential to serve special populations (handicapped, senior citizens).	10
9) The site includes documented significant natural resources.	
- Sand dune (low)	5
- Wetlands	8
- Natural river	10
- Wild or natural area	10
- Rare or endangered species habitat	15
- Any other resource identified in the unique/natural features inventory.	8
10) Site aesthetics are:	
- Unique	30
- Average	20
- Poor	10
11) Parcel size is:	
- Over 100 acres	30
- 50 - 99 acres	20
- 10 - 49 acres	10
- 0 - 9 acres	5
12) Current ownership is:	
- Public	10
- Corporate or private	2
13) Current use of the site is:	
- Recreation	20
- Undeveloped	15
- Development compatible with recreation	5
14) Surrounding land use is generally:	
- Compatible	30
- Incompatible with recreation development	0
15) Population served:	
- greater than 100,000	20
- 40,000 - 99,999	10
- 0 - 39,999	5

<u>Criteria (cont'd)</u>	<u>Points</u>
16) Water access type	
- Coastal river	25
- Coastal lake	15
- Coastal river mouth	30
- Lake Superior	5
17) Accessibility:	
- Good	30
- Fair	10
- Poor	2
18) Competing uses:	
- None	10
- Forestry/agricultural	8
- Industrial/extractive	2
- Residential	5
19) Local Zoning Compliance	
- Positive	10
- Negative	0
20) Site or development measurably enhances potential for tourism.	<u>15</u>
TOTAL POSSIBLE POINTS	486

B. Application of the Criteria

<u>Rank</u>	<u>Site Name</u>	<u>Total Points Scored</u>
1	Little Presque Isle	411
2	Presque Isle/Upper Harbor	383
3	Co. Rd. 550	347
4	Granot Loma	310
4	Marquette Lower Harbor	310
5	Perkins Park	308
6	Chocolay River	306
7	Big Huron River	303
8	Sugar Loaf	270
9	Dead River	262
10	Iron River	257
11	Big Bay Harbor	240
12	Road Side #1	243
13	Road Side #2	238
14	Salmon Trout River	237
14	Picnic Rocks	237
15	Maritime Museum	222
16	Big Carlic River	220
16	Light House Point	220
17	Little Huron River	214
18	Big Bay Light House	172
19	Huron Islands	168
19	Marquette Lower Harbor	168
20	Stannard Rock	141
21	Granite Island	131

#### IV IMPLEMENTATION

##### A. Summary

Management concerns and recommendations were presented in Section II of this Plan for each of the areas of particular concern. In as much as all concerns and recommendations cannot be addressed simultaneously by the County, a priority list (ranking) was utilized in Section III to suggest which coastal areas or particular concern provide the greatest public benefit. Future efforts by the County towards coastal area development should be guided by the concerns, recommendations and rankings established in the previous sections of this Plan. A six-year coastal action plan is provided here in order to summarize the previous sections and give broad direction for future coastal area development.

##### B. Six-Year Coastal Recreational Resources Development Schedule

<u>Year</u>	<u>Project Objectives</u>	<u>Funding Source</u>	<u>Cost</u>
1987	- Perkins Park Grounds Erosion Control Project	Local RC&D	\$ 8,000 8,000
	- Perkins Park Master Plan	Local LAWCON	10,000 10,000
	- Coastal River Acquisi- tion Study	Local LAWCON	5,000 5,000
1988	- Sugar Loaf Mountain Final Phase	Local Coastal Zone	12,000 12,000
	- Perkins Park Building Consolidation	Local LAWCON	9,000 9,000
1989	- Phase I Coastal Area of Particular Concern Acquisition	Local NRTF	100,000 100,000
1990	- Phase II Coastal Area of Particular Concern Design & Specification	Local LAWCON	10,000 10,000
1991	- Phase III Coastal Area of Particular Concern Development	Local NRTF	75,000 75,000
1992	- Phase III Continued	Local NRTF	75,000 75,000





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### C. Methods of Implementation

In spite of dwindling public funding in general, several grant and assistance programs are available to help realize the project objectives listed in the six-year development schedule above. Such programs include:

- 1) Coastal Zone Management Program - Administered by the Michigan Department of Natural Resources Division of Land Resource Programs. Provides technical and financial assistance to local units of government for recreational facilities, planning design and construction.
- 2) Historical Preservation Grants - Administered by the History Division Michigan Department of Commerce. Grants are awarded to local units of government for various historic preservation efforts state-wide
- 3) National Flood Insurance Program - Administered by Federal Emergency management Agency and/or local units of government. Provides a vehicle for public condemnation of private lands which are flood hazard areas.
- 4) Michigan Natural Resources Trust Fund - Administered by the Michigan Department of Natural Resources. The program provides grants to local units of government for public land acquisition or construction of public recreation facilities.
- 5) Land & Water Conservation Fund - Administered by the Michigan Department of Natural Resources. The program provides grants to local units of government for acquisition or construction of recreational facilities.
- 6) Michigan Equity Program - Administered by the Michigan Department of Commerce. Grants are provided to local units of government for various cultural/recreational projects.
- 7) Resource Conservation and Development Fund - Administered by the Soil Conservation Service. This program provides financial and technical assistance to local units of government for recreation projects which are tied to erosion problems.